

Hydrographer

25th July 1944.

10/10/1917
Malaya

10/10/1917

10/10/1917

10/10/1917

10/10/1917

10/10/1917

10/10/1917

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10/10/1917

10/10/1917

10/10/1917
The
The
The

21

april 1912

Leptocryptus 4
Pezomachus 4
Phygadeuon 4
Leptocryptus 4

Leptocryptus
Zenopsis
Hemiteles
Stenomacrus

no. 1000 on 11. 12. 1912
type ♀ AWS. 12. 4. 1912
Pezomachus 4, 10. 1. 1912
Leptocryptus 4
Diapriid 10

Bracon 5

P. pandator 4, 10. 1. 1912

Chelonus 22 & 23 (♀ & ♂) =

Apanteles 4, 10. 1. 1912

A. sp. 5. 10. 1. 1912

Leptocryptus

W. 7

12

13

14

15

16

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18

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21

22

23

24

25

26

27

28

29

30

31

1904 - 1905
of ...
...
...
...
...

4th Sept
...
...
...
...
...

Stenobothrus marginellus ♀, ant. 25.
Cryptorhynchus ... small ... ant. 19.
Cryptorhynchus ...
Homocidus pectoratorius ♂, not mtd. ...
Stenobothrus ... = *St. carbonaria* ♀, ant. 21.
x *Picrostigmus*? sp. ♂, ant. 26.
Microgaster ♂, not mtd.
Longiclavus ♂, not mtd.

...
...
...

Aclista striolata ♀.

two taken =

15

St. minutus: 50♂ ant. abd. 19, [unclear]

St. st. pallipes ♀, ant. 22, full-th. head

Othocentrus cf. attenuatus

Thersites chrysotriangula

Leptocryptus. *Lep.* This can't be right. See MS. description by G. F. Oakes, recorded in Journal, p. 729.
of *Aster Bursarius*, n. 4, April 23.

Gen. et sp. ? ♂, ant. 25 =

31.

A. sp? near *myiagris*? (cf. *A. from* *W. H. (D. 9. 38)* ...
A. efasciata? (cf. ...)
A. cf. fuscicornis? (cf. *from* *W. H. (D. 9. 38)* ...)
A. (D. 9. 38) ...

D. gilvipes ♀, ant. 27.
2 ♂♂, ant. 28 & 29

Brachymeria ...
... *Brachymeria* ...
... *Brachymeria* ...

Gasterus ♂ of sp. 2!
Paramecium ♀ of sp. No. 3 (= *Brachymeria* *Thom.*).
Leptochaptus *docilis* ♀
Chalcid 3: not mtd.

Chalcid 2 large: not mtd.
Chalcid 1 =
Chalcid 3 =

Myrmica ...
... *Myrmica* ...
... *Myrmica* ...

Chalcid ...
... *Chalcid* ...
... *Chalcid* ...

17

19th Sept 1908

22nd Sept 1908

Mon. 22nd Sept

Mon. 23rd Sept

Buller's Bird

1 bird

1 clover strip = 1

if Suggart & swept out

1 new road, then for 2 days

Very few taken at 1st & 2nd

weather. Saw two butterflies

- 1 quite a few Bumble Bee, including a few

muscorum & a somewhat faded of B. terrestris

Harper's ...

1. 208. 7.

more mtd.

pullipes var. ♂, ant. 22.

var. ... 258.

... 10. 1. 1. 1.

... 33.

...

... 24.

& A. pica 5, ant. ...

91

92

5

Pras...
B... ..

Bl... .. 7, none...

93

11

11

...

...

...

to Bl... ..

W. leg. of the ...

...

Crypt... ..

... .. only one ...

Phygadeuon... ..

Stenomacrus ventralis 1 very pale ♀, also 5 other specimens.

44

...

...

...

...

...

...

...

...

9/

28

Exposed 1=

Taken at 2.

Two spotted

biggest 2, 10-12

only 1000 = 1000

Monoclonus portulacae

Stenomacrus affinis ♀, ant 22

Mesochorus ♂, ant 18

Apanteles ♂, ant 20

Bracon ♂, ant 20

Rogas testis ♀, ant 20

Apanteles pallipes ? 2♀♀, no cover so 1 ♀

Mesochorus scutellator ♀, ant 32, dark form

Scutellator ♀, ant 32, dark form, 7th Oct.

27

3

1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st

1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st

6th to 12th Nov. 1950

1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st

about 3:30 p.m. 1st Nov. 1950
the outbreak in the "greenhouse" population is a field
broom.

1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st

21

21

21

22 - 1st day of the year

with cold and snow - 24th day
 day with light snow
 from Rathfriland to the
 to "Pony's Leap" (i.e. of the bridge) - 25th day
 to Farnham, where I found a fine specimen of the
 S. of Tanshogue Bridge. I picked up a specimen of the
 species of the day. I found a fine specimen of the
 named. I found a fine specimen of the
 Also saw a little further on a specimen of the
 of the road - just as we were going
 home.

about 12.20, 4.5
1st Dec 1953
12th Dec 1953
I took bus to Rathfriland
after a few min the bus stopped
on the main road up to the
some min to 1 min
it was rather small & I am inclined to believe it was

THE MILD WINTER

SIR.—It is perhaps worth recording among the curious results of our so-far mild winter that on New Year's Day, in a sheltered bank here, a wasps' nest was still in full activity. Apart from this, the latest date I have for a wasps' nest in this neighbourhood is December 18th—in 1951.—Yours, etc.

DAVID SHAW SMITH,
Bally Olaf,
Dundrum, Co. Dublin.
January 2nd, 1954.

49
1

Birth -
Honey -
Aunt -
House -
By -
in the -
These -
weather -
can -

8th Feb 1954. After very long and cold morning, sun
broke & became a fine day. In afternoon walked to Bally, up to
via Rathgar. Saw wood off Highford Road. A
tree with flowers will open in early Feb. 50 yards below
Crawell bridge, see in photo. Ballyfoot
& crown of Butterbur appearing.

41

42

11th

12th

13th

14th

15th

16th

17th

18th

19th

20th

21st

22nd

23rd

24th

25th

26th

27th

28th

29th

30th

31st

1st

2nd

3rd

4th

5th

12th March. The day passed in a very quiet manner. I went to the garden (4th page) and did some work. I waited until the first time I saw a bird. I was all day - a perfect day. 13th March. A very quiet day. In the morning, quite dull & very cold. In the afternoon, same as morning of 12th, with slight nothing in the P.M. & almost no light.

14th March. A very quiet day. In the morning, quite dull & very cold. In the afternoon, same as morning of 12th, with slight nothing in the P.M. & almost no light.

27th

The grass is green

S. Lapp

The

The

red

a girl

28th March. I went to the

walked up the

along the hill

Saw a lot of

in the

many of the

on the

ran at 12.30 & home at 1.15

29th March. The

30th March. At 10.15

wind S.W. 11. I went to the

to the river

on the

race & the

but none heard. Saw a

in the

flower in

small

The

The

12th

back to

7th April 1948. A fine day.

9th April 1948.

10th April 1948.

11th April 1948.

12th April 1948.

13th April 1948.

14th April 1948.

15th April 1948. A nice day, with much to do.

16th April 1948. A fine day.

17th April 1948.

18th April 1948. A fine day.

19th April 1948. A nice day, with much to do.

20th April 1948. A fine day.

21st April 1948. A fine day.

22nd April 1948. A fine day.

23rd April 1948. A fine day.

24th April 1948. A fine day.

25th April 1948. A fine day.

26th April 1948.

27th April 1948.

28th April 1948.

29th April 1948.

30th April 1948.

1st May 1948.

2nd May 1948.

3rd May 1948.

4th May 1948.

5th May 1948.

6th May 1948.

7th May 1948.

8th May 1948.

9th May 1948.

10th May 1948.

11th May 1948.

12th May 1948.

13th May 1948.

15th June 1908

1000 ft

11

12

13

14

Hyperaspis a. b. ...

Same as ...

15

16

17

from NW The following ...

Golden ...

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300

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302

303

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306

307

308

1844

Turner

Turner

Turner

Turner

Turner

Turner

Turner

Turner

Turner

Turner

Turner

Turner

Turner

Turner

Turner

Turner

1844. 54. cat. at the ...

front garden. It was ...

it had ...

Dublin ...

spike ...

the ...

the ...

1844

1844

1844

1844

1844

1844

1844

23rd April 1964

Dunstable

Pigeons

24th April

Dunstable

Dunstable

Pigeons

2 pigeons

5th May 1964

five species

form; but

looked like

in the wild

end of P. can

seen near

Volunteer

egg, already laid

Many dead

adults which had come through

as well as in

the former

from Pettipiece

25th April 1964. Dry, cool day

In afternoon took a walk

around house, ground in back garden. Several song

at 5.15

when

at 5.15 in a dry road
 at 5.15 in a dry road
 at 5.15 in a dry road

63.

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30.11.54

30.11.54

30.11.54

30.11.54

30.11.54

30.11.54

30.11.54

30.11.54

30.11.54

30.11.54

30.11.54

30.11.54

the first rain for

1st May 1954 - C. L. ...

2nd May ...

including the higher ...

3rd May Rain almost ...

4th May After another wet night ...

During rain several Bumble Bees (Bombus) in back garden, ...

... thought to be a worker.

...

at 5

dan

low

the

from

Dicaelotus (beloglyphus) per... entus, Thom.

11

Picrostigen cf. *recticanda* ♂, ant. 28.

Campoplex

Apanteles pallipes 3 ♂♂.

Perilitus viduatus Mich.

Aspilota (Synaldis) ♀, ant. 19. (short ant. with narrow apical segment; apical segment narrower than remainder)

Dacnusa

D. maculipes 1 ♂, ant. 21.

D. sp? (coral group?) ♂, ant. 26, dark legs, small, etc.

Microctonus carci 2 ♀♀

Exochus 6

Beetles 6

also a ♀ *Hylecactus* *dermestoides*!

Pala...

... 23 ... (some of the specimens are ...)

... not added

... all specimens added.

1

... of ...

T. probably ...

Proctos ...

Chalcids ...

... ..

Beet

Hemiptera

Taken at 2

Microcryptus stutagens Th. ? ant. 24

Pentapleura

Aspilota very large ♂, ant. 22 { This must be either a ♂ of sp. ... or a closely allied new species! Cf. ♀ from ...

A. (5) ...

Dacnusa ...

... ..

Ephedrus ...

Proctos ...

Chalcids ...

... ..

... ..

... ..

And.

And.

... ..

Vacuum

17.5.54, cont.

Taken at 1/2

1150 ft. to 1,800 ft.

Eutima *argyrea* (1)
Adipos? of *ad. longicollis* (1)
Microgaster (1)
Apanteles (1)
Phaenocarpa (1)
Opomyza (1)
Psilophora (1)
Aspilota = *A. cf. minutissima*? (1)
A. (Synaldis) (1)
Phaenocarpa *exilis* group (1)
Monobotanus *clavicornis* (1)
Proctos 7:4 (1)
Exochus *microcerus* (1)
Chalcids 3

17.5.54, cont.

Taken at 1/2

Dolichus *argyrea* (1)
Leucospis *maculata* (1), large ♂, ant. 34 showing 12 segments
Picrostigmus? cf. *laticollis*? ♂, ant. 26; tergites 1 & 2 2-segmented

Astiphronema *clavicornis*

17.5.54, cont.

Taken at 1/2
Dolichus *argyrea* (1)
Leucospis *maculata* (1), large ♂, ant. 34 showing 12 segments
Picrostigmus? cf. *laticollis*? ♂, ant. 26; tergites 1 & 2 2-segmented

15th May

Ants

1st

2nd

3rd

4th

5th

6th

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4.00

Dyscritulus planiceps ♂, ant. 28.

Stenocranus = *Stenocranus* (not mtd.)

2 *Cryptoserphus* = *Cryptoserphus* ♂.

Tachinidae ♂, ant. 28.

Chrysomelidae ♂, ant. 28.

Phyllotreta ♂, ant. 28.

Psylla 2: not mtd.

Chrysomelidae ♂, ant. 28.

Cryptoserphus ♂, ant. 28.

Stenocranus ♂, ant. 28.

Phyllotreta ♂, ant. 28.

Phyllotreta ♂, ant. 28 (not mtd. 1949).

Exochus decoratus ♂, ant. 28.

Picrostigena recticauda ♀, ant. 29; also a larger ♂ of apparently same species, ant. 28. (cf. *Stenocranus* base as *Stenocranus*, only on 11/9/49. bill curved, etc. same as right wing.)

Stenocranus not mtd. *Stenocranus* ♂, ant. 28.

Promethes cognatus ♂, ant. 24; ♀, ant. 25.

♀, ant. 18.

Campoplegid ♂ = *Angitia* ? ♂, ant. 28.

Phaenocarpa ♂ = *Apanteles* {*phallopalpis* ♂, ant. 28; or *phallopalpis* ♂, ant. 28; or *phallopalpis* ♂, ant. 28.

(cf. *Stenocranus*)
liberty from mtd.
- 26/12/49; it is
pinned to base, 28. mtd.
ant. 28/12/1960.

Cryptoserphus ♂, ant. 28.

Boston. 11: 2 only mtd. =

Dipteron = 2 series, chalcids = 2

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100. ...

Agropyron septentrionale, - nat. 33.
Carpophagus ...
Brachy ...
Phanocarpa ...
Garcinia ...
Chelidonium ...
Euphorbia ...

...

Phragma... plane... pinned
 of ...
 at 6 ...

Pyrenocryptus perignatus ♀, ant. 30; ...
 Phragma ...
 12/11/53

Leimacrus argutus ♂, ant. 30; ...
 Microplitis ...

Camptopoda ...
 Microplitis ...
 Thaumalea ...

Helictes borealis 2 ♂♂, ant. 24 & 26. ...
B. undulatus ...
B. cf. foreola ...

Segantia obscurulus ??, ant. 24; ...
A. congestus ...
E. phaeo-pallipes ...

E. longicornis (78), ant. 27

...
 ...

...
 ...

(14) ...
 ...

...
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...
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...
 ...
 ...

Love & Affection

29.

↗ auf 28

→ ant 28: 2.50

91.

4th A

670 5 7: only 1 mtd. = Hem. 1/2 in

9.5.2.1

Tok

Zootrephus sp. ♂, ant. 21Say, 1823, *Ann. Ent. Soc. Am.*= *Z. grandis* ♂, ant. 24. 12 specimens*Pseudocryptus* ♂, ant. 22Microgaster *hirsutus*? ♂, ant. 22. *Microgaster* sp.*Microgaster* sp.*Microgaster* sp. ♂, ant. 22. *Microgaster* sp.*O. zaitzevi* ♂, ant. 22*O. tugensis* ♂, ant. 21*O. zaitzevi* ♂, ant. 43, dark brown.*Pseudocryptus* sp. ♂, ant. 32.*Pentapleura* sp. ♂, ant. 22.*Exochus* sp. ♂, ant. 17. *Exochus* sp. ♂, ant. 19.*G. minutissima* ♀, ant. 17.*Li. (Synaldis) concolor* ♂, ant. 17+19.*Dacnusa* sp.*D. elegans* ♂, ant. 32.

♂, ant. 26.

D. elegantula ♀, ant. 26.*D. longipes* ♂, ant. 33: very nice example!*D. (f.) affinis* ♂, ant. 26.

ant. 24.

D. hirtigena ♂, ant. 22. *D. hirtigena* ♀, ant. 22.

97.

Deepfork, W. 8.27; 3 from Blacktown, 8.27, 3.4.27, 7.27.

Sept 10 1907.

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-with ant. 28

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and 20' (all)

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= 10' up - W. 10' up

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10' up
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Acronyctus 10' up

Proctos 1 = 20' up

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June 18th

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O. leptodermis Wm. 1st ant. 28

O. exilis Hal. large ♂ ant. 28

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[*Adelura isabella* Wm. 1st ant. 28

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Ant = *Anthrenus* 1

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Sample 4 = 5. 8. 1900

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ant. broken

new old

1911

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Orthocentrus

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Q. sandhu gas

Alusia manducator

Aspilota nemoralis

D. cf. ruma Nixon

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Orthocentrus

Orthocentrus

Orthocentrus

27.2.59

157

28

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29th

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30th June 1900

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1920

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[4] ...

P. dorsalis var. ♂, ant. 16 { *Zootophus* } *Homocidus* ...

cuticopis ♀, ant. 25 ♂ of new ...

sp. ♂, ant. 24, very common in one of the "hills" ...

; not mtd.

microgaster cf. *globatus* ♀ of both ... 10, 14 { ant. 25, 22 } ...

Gnamptodon *pumilus* ♂, ant. 22, rather ...

Opius pendulus Hal. ♀, ant. 19. *O. stenopis* ? ...

O. cf. tacitus Hal. or *aurantipes* Miki, large ♀ (?), ant. 22, ... short & much narrowed apically, ...

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14th July 1954. H. ...

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Biography

República del Perú 1900

Alcalá, 1890.

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500

Balnakeill

28 insect. mounted, but none
labelled till 10.9.1963.

Tak.
Lapp

T. olivacea 2♂♂, 2♀♀. *T. arcuata* group ♀.

= *Phygadeuon* ♂, red abd., ant 24. *Hemiteles* ♂, ant 20.

Atractodes sp. ♂, ant 21. *A.* sp. ♂, ant 22. *A.* sp. ♀, ant 19.

Euclyptus? sp. ♂, ant 24.

Phygadeuon ♂, ant 23. *Hemiteles* ♂, ant 23.

Phygadeuon ♂, ant 23. *Hemiteles* ♂, ant 23.

Phygadeuon ♂, ant 23. *Hemiteles* ♂, ant 23.

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Phygadeuon ♂, ant 23. *Hemiteles* ♂, ant 23.

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Salinas

21.9.1962

on 11.9.1962

Dun 1962
SS. AWS
6.7.54

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[faint handwritten notes]

♂, ant. 27 = *D. sp.*

Atractodes sp. ? ♀, ant. 27

Atractodes sp. ? ♀, ant. 26

Phygadeuon ? ♀, ant. 18

Mesoleptus ? ♀, ant. 43

Promethes *pulchellus* ♀, ant. 22

Promethes ♂, ant. 28 =

Promethes *pulchellus* ♀, ant. 22

Promethes ♂, ant. 31 =

Promethes ♂, ant. 31 =

Opius irregularis, ♀, ant. 24: a very nice, but small example, height 2 vertebrae.
ant. 24

Opius ♂, ant. 38

Opius ♂, ant. 38

Opius ♂, ant. 38

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Opius ♂, ant. 38

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Opius ♂, ant. 38

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Opius ♂, ant. 38

S. of ...
SC. AWS.
8.7 54.

cont. 34

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square feet of ...

... of ...

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Kend...
SS

not in 1963

with antennae missing.
" " 26

{ 1.4 only 100%
 Ant 1.30

107. : ant. 41, 42, 42.

cont. 62-60

De la ...

$L_1(r) \approx \frac{1}{2} \log \frac{1}{r}$, both as $r \rightarrow 0$ and $r \rightarrow \infty$.

[illegible]

(+19 da ...)

$\therefore h$ of water at 28,400 ft.

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2000 m. alt. cont. 18th 19

None added.

THE IRISH TIMES

DUBLIN, FRIDAY JANUARY 29,

Full range in Lincoln

MR. P. BULL'S five-year-old, Orgoglio, has been allotted top-weight of 9st. 7lb. in the Lincolnshire Handicap, which will be run on Wednesday, March 24th. The handicapper has used the full range here, and Orgoglio is set to concede as much as 3st. to some of the entries.

Orgoglio is weighted 2lb. in front of Lord Rosebery's Fastnet Rock, who, with 9st. 5lb., has 5lb. more than he carried into second place in last year's race.

Sailing Light, who was successful last year with 7st. 11lb., now as 9st. 3lb. The highest weighted of Major L. B. Holliday's three entrants is the five-year-old, Dumbarnie, winner of the Midland Cambridgeshire at Birmingham last November. Dumbarnie has been allotted 8st. 12lb., 4lb. more than his stable-companion, Netherwood. Neath, Major Holliday's other horse, has 8st. 1lb.

Chivalry, fifth in last year's "Lincoln," under 8st. 1lb., has gone up 5lb., but Nahar, the only French-trained entry, who started joint-favourite for last season's race, has gone down 2lb to 8st.

CLOSELY HANDICAPPED

Caerlaverock, allotted 8st. 6lb. last year, when he did not run, now has 8st. 13lb. Caerlaverock finished third to Fastnet Rock in last season's Rosebery Stakes, and is closely handicapped with Lord Rosebery's horse on that running.

Lord Rosebery's other entrant, Swashbuckler, is favourably weighted with 8st. 8lb Stormy Hour, also trained by Jack Jarvis, but owned by Lord Milford, has been given 8st. 11lb.

THE known Aintree or standing su to give weigh M. H. Keogh —12st. 5lb.

Knock Hard, the year's Cheltenham never run over the A and is unlikely to do as I gather his main prize. Actually Knock not run over fences since Cup triumph, but has ha

By Sport

to Dublin Airpo at Shannon. T gives and the fa pite of the col ne (below) e m.

Alb been respect an Irish Plate, c Limerick town did prospects effort at Na Present p will run; engaged to C. Mar him. Ov finisher who Leor wh er

MEET AT LEOPARDSTOWN. Early Mist displayed his well-being at the Christmas fixture at Leopardstown, where he won in good style, although he probably had not a lot to do. Early Mist will next run in the Leopardstown Handicap Steeplechase to-morrow



The only animal out of the...
near main lodge at B...

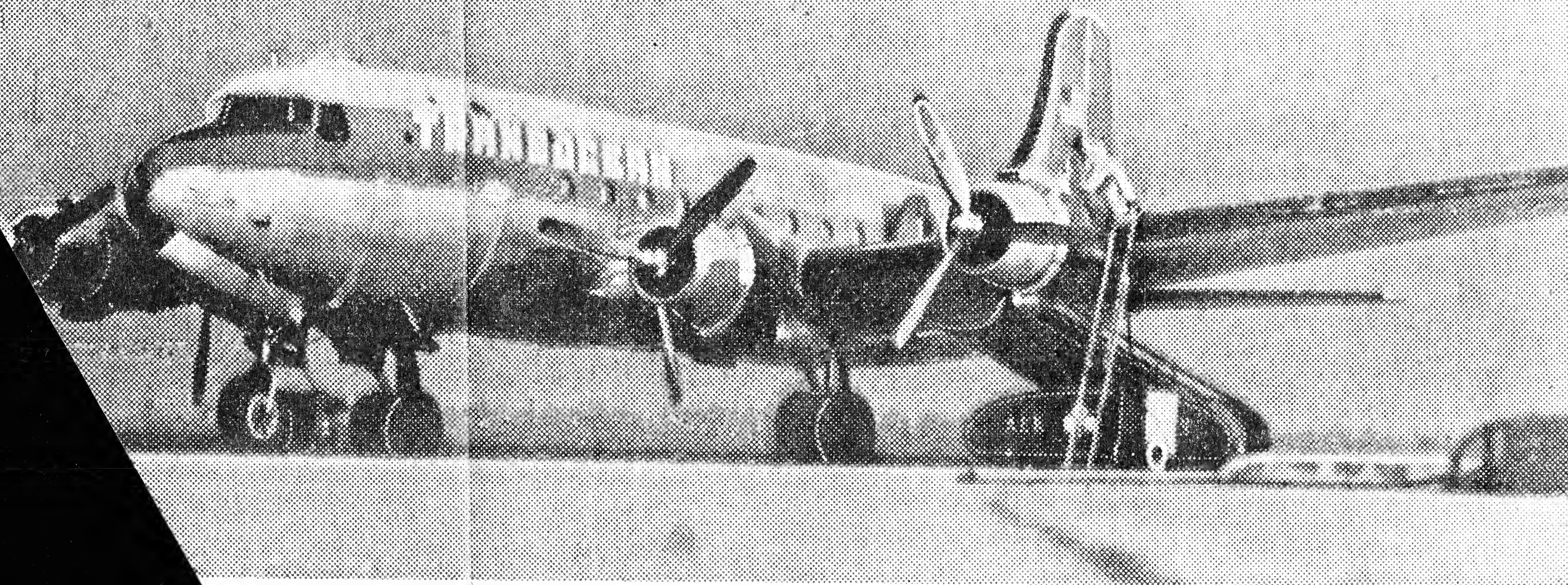
THE IRISH TIMES

DUBLIN, FRIDAY JANUARY 29, 1954

CITY EDITION

Liquor Wines

D.E. WILLIAMS LTD. TULLAMORE, DU



ed to Dublin Airport yester-
at Shannon. The plane
ives and the families of
pite of the cold, one of
ne (below) enjoyed a
m.

WEST OF IRELAND SWEPT BY SNOW

Icy winds and stormy seas in east

IRELAND yesterday was again Ireland divided—this time climatically. There were icy winds, stormy seas and low temperatures along the east coast, with Dublin slightly warmer—the barometer rose from one to four degrees above freezing point. From Connaught and Munster, as a result a trough of low pressure from the Atlantic, came reports of snow everywhere.

SPRING DOUBLE WEIGHTS

Full range Irish horse heads in Lincoln Grand National

MR. P. BULL'S five-year-old, Orgoglio, has been allotted top-weight of 9st. 7lb. in the Lincolnshire Handicap, which will be run on Wednesday, March 24th. The handicapper has used the full range here, and Orgoglio is set to concede as much as 3st. to some of the entries.

Orgoglio is weighted 2lb. in front of Lord Rosebery's Fastnet Rock, who, with 9st. 5lb., has 5lb. more than he carried into second place in last year's race.

Sailing Light, who was successful last year with 7st. 11lb., now has 9st. 3lb. The highest weighted of Major L. B. Holliday's three entrants is the five-year-old, Dumbarnie, winner of the Midland Cambridgeshire at Birmingham last November. Dumbarnie has been allotted 8st. 12lb., 4lb. more than his stable-companion, Netherwood. Neath, Major Holliday's other horse, has 8st. 11lb.

Chivalry, fifth in last year's "Lincoln," under 8st. 11lb., has gone up 5lb., but Nahar, the only French-trained entry, who started joint-favourite for last season's race, has gone down 2lb to 8st.

CLOSELY HANDICAPPED

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Lord Rosebery's other entrant, Swashbuckler, is favourably weighted with 8st. 8lb Stormy Hour, also trained by Jack Jarvis, but owned by Lord Milford, has been given 8st. 11lb.

THE National Hunt handicapper, Mr. D. G. Sheppard, has made known the weights for the Grand National, to be run at Aintree on Saturday, March 27th, and there are really no outstanding surprises. Knock Hard, as was generally expected, is set to give weight away all round, but Mr. Sheppard has given Mrs. M. H. Keogh's 10-year-old 2lb. less than the maximum impost—12st. 5lb.

Knock Hard, the winner of last year's Cheltenham Gold Cup, has never run over the Aintree obstacles and is unlikely to do so this year, as I gather his main objective will once again be the big Cheltenham prize. Actually Knock Hard has not run over fences since his Gold Cup triumph, but has had three

Grand Sefton at Liverpool, and, in good style, too, so it is only natural that he should be regarded as a very "live" National candidate.

With 10st. 11lb., Coneyburrow will, no doubt, develop into a much fancied Grand National candidate.

FAIRLY TREATED.

Royal Tan, in the same ownership as Early Mist, and also trained by O'Brien, can renew acquaintance with Aintree. I thought he would have beaten Nickle Coin in 1951, but for a disastrous last fence mistake; and, he certainly would have been placed the following year had he not fallen at the last obstacle. Royal Tan is fairly well treated with 11st. 7lb.

O'Brien's other two horses, Alberoni and Churchill, have been given 10st. 12lb. and 10st. 11lb. respectively. Alberoni, who won an Irish Grand National in 1949, and the Plate, came back to the top of the Limerick at Christmas. He did nothing in the prospects in a last year's effort at Navan.

Present plans are that Alberoni will run; Churchill is engaged to run.

C. Macdonald, who trained him, O'Brien, has finished his season, who will be in the Leopardstown Handicap Steeplechase to-morrow.

By Sport

Knock Hard, who has already stated, will next be seen in action in the Great Yorkshire Steeplechase at Doncaster next month, a race, incidentally, which he won last year.

M. V. O'Brien, Knock Hard's trainer, has other strings to his bow in the Grand National, among them being last year's victor, Early Mist, who has been allotted 12st., which is 12lb. more than he carried 12 months ago. Even with this heavy burden, however, he is by no means out of it, though Mont Tremblant, second to him in 1953, has now a nice pull in the weights.

MEET AT LEOPARDSTOWN.

Early Mist displayed his well-being at the Christmas fixture at Leopardstown, where he won in good style, although he probably had not a lot to do. Early Mist will next run in the Leopardstown Handicap Steeplechase to-morrow.



20. 11. 11

very early

very early

very early

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11. 11

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very

very

The only bird noted during the day was a *G. alpestris* (smaller)
near main lodge at 6 PM. Saw a few in the area.

what number of *G. alpestris* (smaller) (very late)

1. 人 工 智 能

ATP 238

gibberellin → auxin

1/3, Oct 27.

Aclista sp. ♂

now mid

= Gadget;
Blogg

Woodbury

(10) - 1 a c' not 35; large 213 very red.

Oct 1901

2. hake

... ..

Moss on Cedar, Wash.

Crypta

latunmalla

Claytonia

G.W.

A.W.S. 14.4.1954



Received by
Miss S.
Thomson.

R_x

Date.....19.....



Gairloch, Ross-shire.

18. 8. '53. Scotland.

(investigating seaweed)

"Le savant dans l'exercice
de ses fonctions" (with
apologies to Tonnoir!)

Marcus W. R. de V. Graham

ILFORD

Diprion pini.

Larva on Pinus sylvestris at Hollywood Glen,
Co. Wicklow on 27 Sept. 1953.

From these larvae, which spun up early in
October the following imagines emerged
in May-June 1954!

♀ on 13.5.54. 2 ♂♂ on 23.5.54.
5 ♂♂, 1 ♀ on 4.6.54. 3 ♀♀ on 9.6.54.
1 ♂ on 12.6.54. 9 ♀♀ on 15.6.54.
4 ♀♀ on 16.6.54.

Royal Irish Academy.

19 DAWSON STREET,

Dublin, 21-14, 1954.

St. of aff. ... 25, a ... 23.

now old.

transcol' 2 ♀♀, ant. 22, 23: ...

now old

revis' ♂, ant. 24.

now old.

from ... ant. 27. ... ant. 23. ... ant. 24, ...

D. paratica ♂, ant. I think 38. ...

{ D. elegantula ♀, ant. 28. }
" also a ♂, ant. 32. }

g. ... ♂, ant. 29

♂, ant. 27.

Reddyd. only old ...

Adista sp. ? ♂

now old

not old.

= Gaddy;
Glegg!

Leptocryptus

Hamitocryptus ...

Gigantocryptus ...

... ant. 23.

... not old.

... ant. 24.

... ant. 25.

... ant. 26.

... ant. 27.

... ant. 28.

... ant. 29.

... ant. 30.

... ant. 31.

... ant. 32.

... ant. 33.

... ant. 34.

... ant. 35.

... ant. 36.

... ant. 37.

... ant. 38.

D. ... large ♀, ant. 21.

D. ... ant. 25; large ... very red!

D. bellina, small ♂, ant. 23

... ant. 24

H. apertus? ♂, ant. 21: pale, than usual?

A. prona ♀, ant. 20; also ? a ♂, ant. 23, *A. prona* ♂, ant. 22; *A. prona* ? ♂, ant. 21.

A. picticornis ? ♀, ant. 16; A. fuscicornis ? ♂, ant. 16. A. tumida ♂, ant. 18.

a. sp. near uniflorum, but small apiculate, or peristome, and 21. G. (Synaldis) sp. 21, 21.

Da es eine ^{allg. line.} ~~affine~~ Gruppe ist, gilt: $\dim = 2$ (vgl. Problem 1.1.12)

D. aphanota, 4020, 19; *D. cf. asperum*, 10719, ant. 36 & 35; *D. yendani*, 3038, 4

D. sp. (19), ant 25. D. adducta, large ♀, ant 20. D. macronotata, ant 25.

D. (Ametria) uliginosa ♂, inst. 20.

5. Bsp. f. d. only 2. = $\text{Leptokopf} \begin{pmatrix} \text{par. blauer} \\ \text{jungmann} \end{pmatrix}$. Lept.

Acropiasta cf. *imperfecta* ♀, but ant. anal. anal. fit! *Pantochia*??

Ismaerus rugulosus (4").



15.7.56, cont

511

[20 mtd + those labelled 8/12/902]

✓ ✓ ✓ ♂, ant 31: kept for ...
Mesochorus scutellaris ♂, ant 25.

lost ...
{ ...
not mtd.

one only mtd = *Ch. thuricampi* ... 35.

Gnathoniella egregia ♂, ant. 18.

Euphor ♂, ant. 25/26.

not mtd. *B. trisulcis*, var. ?; ♀, ant. 17.
not mtd. *Phanacarpa tabida* 2 ♀♀, ant. both 20.

Aspilota { *tabida*? not seen when labelling 10/10/63 }
= { *A. sp.* ♂, ant. 20 }
{ *A. sp.* ♂, ant. 21 }
not mtd.

Panzeria rubella sp. n. ♂, ant. 23. Type! Throax & base of abd. testaceous, red,
base of propodeum + smooth, very small, ca 1.5 mm, ant. only 23-seg. A.W.S. 10.10.1963.

... ♂, ant. 22, ...

... ♀, ant. 21, ...

... 6 mtd ...

... ♂, ant. 22, ...

... ♂, ant. 21

... not mtd.

Transferred from 225 to this
labelled from
12.10.1963. A.W.S.

Leptocryptus ... ♂, ant. 21, ...

only one mtd. = *Hemiteles* ... ♀, ant. 21.

... ♂, ant. 20.

... ♂, ant. 14.

... ♂, ant. 29.

Stenomacrus ... ♂, ant. 27.

Stenomacrus ♂, ant. 22, prop. subovoid, ... sculptured, right lobe ...

Picrostigeus of *reticulatus*, ♂, ant. 27.

D. aphyanta not at all

mit und

ac
intd

; name of

2017

the same,
pale yellow.

There is not.

rocks. 2 mld.

= Large Platygon etc., red tags:

Beetle: small, broad, black, Click Beetle Belytid: Oxylabis maculata co.

711

1891

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2214

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2216

176

17

[... 24.10.63]

not mtd.
... 18: 4 small ...
... 20.

not mtd.

Linsonota, ... but ??: ♂ ant. 39.

Mesoleius cf. nepaeus Haliday. ...

Homocidus ... 19, dark ... long ...

Polyblastus ? ♂, ant. 26: very interesting! ...

Picrostigmus recticornis ♀, ant. 29; also a ♂, ant. 28.

Clasicampa ... only 1 mtd. = Clasicampa fulviventris ? ♂, ant. 37.
but specimen not with a clear ...
in several other characters.

Bracon cf. terreida scotica sp. n. ♀
♀; ♀ only mtd., ant. 26
♂ from 2, ant. 31.

[Same sp. I think as ♀ taken
at Kellin, (14) 15.7.1954.
but won't quite fit description
of terreida. AWS.]

... 1954

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[Small mtd. 22-63]

1 mtd. mtd. *Basileus* ...

Stereocorys ... ant. 18.
Campoplex ...
Brachy ...
Opius ...
O. ...

[Small mtd. 22-63]

19-7-11

Selandria stramineipes ♀

Myrmica ruginodis ♀

Leptocryptus ...

Parasitellus ...

C. clausus ♀

planned

Phaenocarpa ...

ant. 22.

Picrostigena ...
Helictes ...
Blacus ...
Microgaster ...
Apanteles ...
Perilitus ...
Opius ...
Apharete ...
Aspilota ...
A. nemipha ...

C. pygmaea sp. n.
 ♀ ant. 19, ...
 1.5 mm, ...
 ...

1.10.18 = Anniversary of ... 1921

Homocidus pulcher Embley *Stenomacrus didymus* Embley ♀, ant. 18:

Phrudas mexicanus ♂, ant. 21.

• Angita? \rightarrow ant. 31. =

m. f. m.

circum, ♀, ad. h.

Apanteles falcatus ♀

Acetivus subfasciatus ♂, n. t. s.

Opius stenopneusti ♂, ant. 24. - *Uroctonus contracta* ♀, ant. 21.

Aspilota cf. *picicornis* n. sp. ant. 18. A small ♀ of the *picicornis* group? ant. 19.

A. cf. sciurella? ♂, ant. 23.

A. fuscescens. ? A. longo \rightarrow ant. 25,

A. cf. small fuscescens? 6 pale, small, ant. 21 (perhaps, teneral?).

Dacnusa areolaris group 5: none mtd.

D. aphanta 4: 1 ♀ mtd. pale legs, ant. 26.

S. amplifier, a very nice ♀, ant. 16.

Trioxys angelicae Hal. ♀, ant. 11.

Belgisch wld. =

2. Sanlongya $\phi =$

∴ 1 ♀ only mtd

I all the road of Boston

June 21st 1896

Gen et y. ? ca. 16.

at the 100,000 ft.

29 + 38 = 67

Optim. { candidate } $\{ C, \text{out. } 24, \dots \}$

Laizon exten., ant. 39

1. 22. 39.

Pentapleura pumilio, 3♀♀

all! The first taken of the sp.

[Faint handwritten notes]

4 ♀, ant. 22, legs pale!

4 ♀, ant. 22, legs pale!

in lat. from 2 + time 12/14/90

$C_1, C_2, C_3, C_4 \in \{T, F\}!$

runs to & fit, } - Put into coll.!
intermediate gear. } or, ant. 35.

bulb.? ♀, ant. 25
tr. ca. da? small ♂, ant. 28.

... maki: ♀, and 18.
... when & head (accidentally injured, but
... out & sand

if which
- 6 -
head found 10 mm. long,
basal flagellar segs. curved,
but never elongate! 4 m.

Propota? { Put in coll. next to 131163
St. fumipennis on a bay

(can hardly be σ of that species)

Blaenocarpa tabida ♀ - ant. 19. *Apharete tenuicarinata* ♂ + ant. 18.
Phanogonops ♂ + comp. p. 10. neither
old.

A. ruficornis Gant. 22 {spiracle 14} *A. fumida*, same as *A. ruficornis*, Gant. 20.

A. crinita? ♂, ant. 22. *A. lata*? ♀, ant. 16. *A. ?* a male, ant. 19, rugose propodeum.

[illegible]

D. melanocera & *aphanta* 2 of each } 1 *D. aphanta* mtd. ♂, ant. 26

D. (Tux.) pharyngeal fusion $\frac{1}{2}$ \checkmark \rightarrow ant. 28 D. areata $\frac{1}{2}$ ant. 33

D. (G.) *siniffa* ♂ *tid. Nixon D. ganesa* ♂ *tid. ?* ant 28.

baelinus ♂ ant. 40 = 6, cf. "new species Shgo" ♂

Ephedrus *inimicus* 1 = Green small & baccations ant. } *Alphidius* sp. 2 not antd

Boletus 16: 6 *Boletus* only n.d. = *Boletus depressa* etc.

Proces. 16. 6 sylgias, only, mid. = 6 sylgia ~~expressa~~ ^{cap.}

Killam,

[40 mtd. from 1 & these labelled
on 19. Nov. 1963.]

Take out 1.

Euphorus pallipes (2022?), ant. 22. *E. pallipes* 16:

Meteorus obfuscatus? in coll. ♂, ant. 27.

Gnathochorisis sp. ♂, ant. 22. *Opius* 2 { *sacrus* Hal. ♀, ant. 30, in coll.!
irregularis? ♂, ant. 24, but specimen main
strongly rejected, much more than usual!

Aspilota tenuicornis ♀, ant. 22. *Phaenocarpa canaliculata* ^{in coll.} ♀, ant. 28

Orthostigma sp. ♀, ant. 20. *Aspilota minutissima* ♀, ant. 17, also a ♂(?), ant. 19.

Aspilota sciurella (or n. sp.?), a magnificent ♀, ant. 21. put in coll.!

Centistes sp. ♂, ant. 16.

Mesochorus sp. ♂, ant. 28. 2. ♂, ant. 28. 2. ♂, ant. 28.

Phaenocarpa sp. ♂, ant. 24. 1. ♂, ant. 24. 1. ♂, ant. 24.

Phaenocarpa sp. ♂, ant. 24. 2. ♂, ant. 24. 2. ♂, ant. 24.

Centistes sp. ♂, ant. 16. 1. ♂, ant. 16. 1. ♂, ant. 16.

Diprion sp. ♂, ant. 20.

Stenobothrus sp. ♂, ant. 18. = *Stenobothrus* sp. ♂, ant. 18.

Pachyneurina sp. ♂, ant. 25; ♀, ant. 30.

♀, ant. 37

Centistes sp.

Stenobothrus sp. ♂, ant. 18. *Aspilota* sp. ♀, ant. 21. ♂, ant. 21.

Rogas cf. cantherinus ♂, ant. 44.
Microgaster globatus?
Blacus paganus ♂, ant. 20.
Opius xanthogaster ♀, ant. 38.

Aspilota sp. $\left. \begin{array}{l} \text{ant. 21} \\ \text{no dimple.} \end{array} \right\}$ *G. (Synaldis) concolor*, ♂, ant. 18. *G. (S.)* sp. ♂, ant. 20.
ca. 22:2 wd. = { *D. longicaudatus* ♀, with rather dark orange, ant. 21,
a minute ♂ of *maculipes*, ant. 20
new mtd. *D. vinella* ♀, ant. 32. *Loxelimis rufipes* ♂, ant. 142

1 Diapirid (= Galeans ^{-in cell} 2 mit 4) & 2 Polytiden wach mit d

$\int_0^{\infty} f(x) dx = \lim_{n \rightarrow \infty} \left(\frac{1}{n} \sum_{k=1}^n f\left(\frac{k}{n}\right) \right)$

1911

24

= *A. ...* ... 285, ant. 12

A. apiculata miki, ♂, ant. 12, 19; (1911) ... from ... (2) 29-30-28

3, not mtd. ... *D. ...* ... ant. 24

... *A. ...* ... ant. 13 & 3 others, none mtd.

: 2 obelystes only mtd.

... 181

... 1911

